



HISTORICAL DATA

COMPLETION/DELIVERY: Tendered / June 2015

FIELD LOCATION: Undisclosed

FIELD LOCATION: Brazil

PROJECT DESCRIPTION:

Commissioning drilling package on newbuild drillship

SCOPE OF WORK:

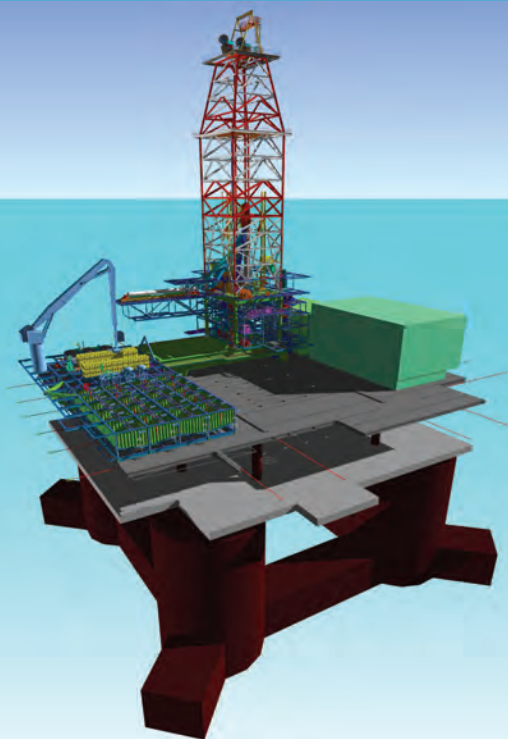
- Commissioning document development
- Drilling systems design review
- Factory Acceptance Test (FAT) monitoring

PROJECT MANAGER: Ron Horton



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions



HISTORICAL DATA

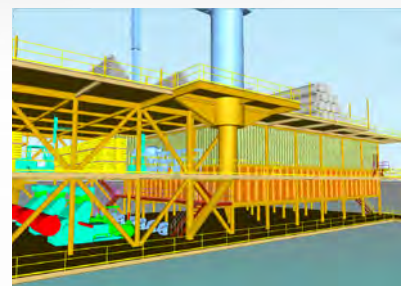
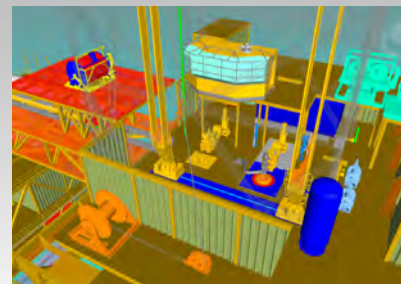
COMPLETION/DELIVERY: In progress / December 2015

CLIENT: Undisclosed

FIELD LOCATION: Angolan Block

PROJECT DESCRIPTION:

- Tender engineering bid to supply a 32-slot tension-leg platform (TLP) for offshore Angola project.
- The field development plan is estimated to include 15 production wells and 15 water injectors, with oil production expected to lie in the range of 140,000 to 160,000 barrels per day and with nearly 200,000 bpd of water injection.
- The TLP, which will be moored in about 1,300 meters (4,265 ft.) of water, is expected to be delivered by mid-2016. First oil is anticipated to be in 2017-2018.



SCOPE OF WORK:

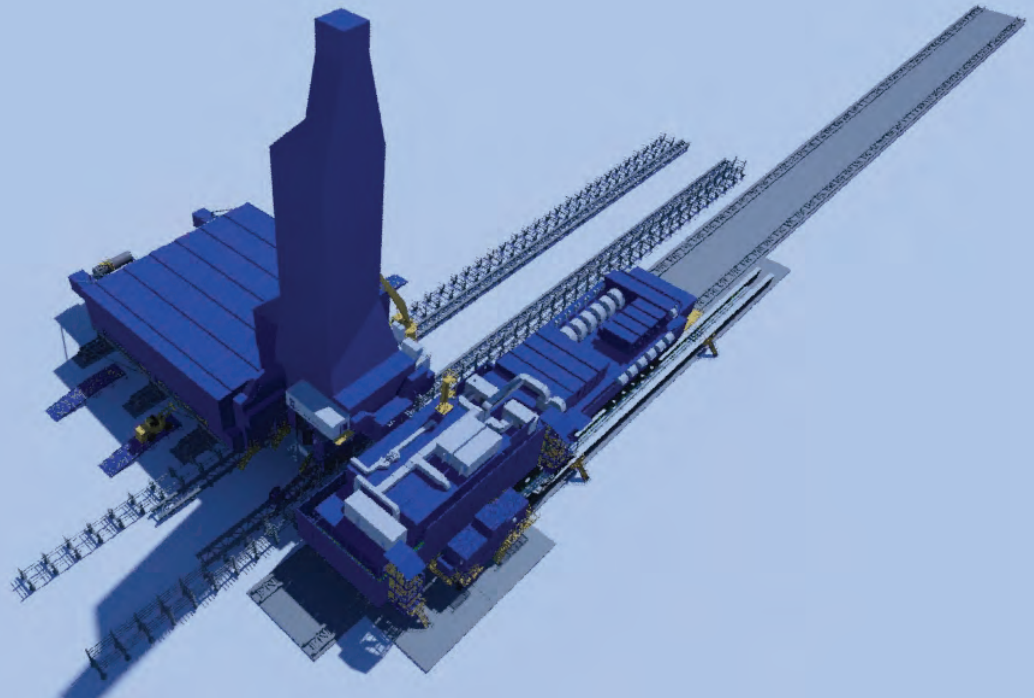
William Jacob Management is providing engineering and design services for a self contained drilling rig that will be mounted on the field development TLP.

PROJECT MANAGER: Trevor Smith



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions



HISTORICAL DATA

COMPLETION/DELIVERY: 2014

CLIENT: Undisclosed

FIELD LOCATION: Odoptu Field - Sakhalin Island, Russia

PROJECT DESCRIPTION:

The Odoptu drill rig will be a modular design to facilitate timely movement between locations, and will consist of three basic module components:

- Drilling Module (DM)
- Drilling Support Module (DSM)
- Pipe Barn Module (PBM)

These components will accommodate existing infrastructure, utilities, well equipment, well consumables and fluids, as well as, fuel and third party services which are outside the modules (PBM). The load and sizing constraints for the modules will be optimized from the current configuration during the initial FEED optimization phase.

SCOPE OF WORK:

Engineering and design responsibility for:

- Drilling Support Module (DSM)
- Piping, electrical and HVAC for the entire rig including the Derrick Equipment Set (DES) and the Pipe Barn (PBM)

PROJECT MANAGER: Gordon Gamble



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

BROWNFIELD OFFSHORE PLATFORM



HISTORICAL DATA

COMPLETION/DELIVERY: In progress / February 2015

CLIENT: Undisclosed

FIELD LOCATION: East Cameron Block - Gulf of Mexico

PROJECT DESCRIPTION:

- Offshore survey
- Develop tie-in list
- Plan for future compressor installation
- Evaluate existing heat medium system

SCOPE OF WORK:

- Add new heating medium system
- Remove existing gas compressors / WHRU
- Remove existing Glycol / Gas Dehydration Skid
- Identify Tie-ins / Demolition Piping
- Add new breaker in the MCC
- Update existing drawings

PROJECT MANAGER: John Weaver



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

1,500hp Newbuild Modular Land Rig



HISTORICAL DATA

COMPLETION/DELIVERY: 2013 - 2014

CLIENT: Savanna Energy Services Corporation

FIELD LOCATION: East Texas

PROJECT DESCRIPTION:

- 1,500 hp newbuild land rig is slated for service in West Texas for shale development. William Jacob Management is on a fast track to the newbuild drill rig for delivery in 8 to 10 months.

SCOPE OF WORK:

- Project Management
- Construction Management
- Engineering support

PROJECT MANAGER: Mike Johnson

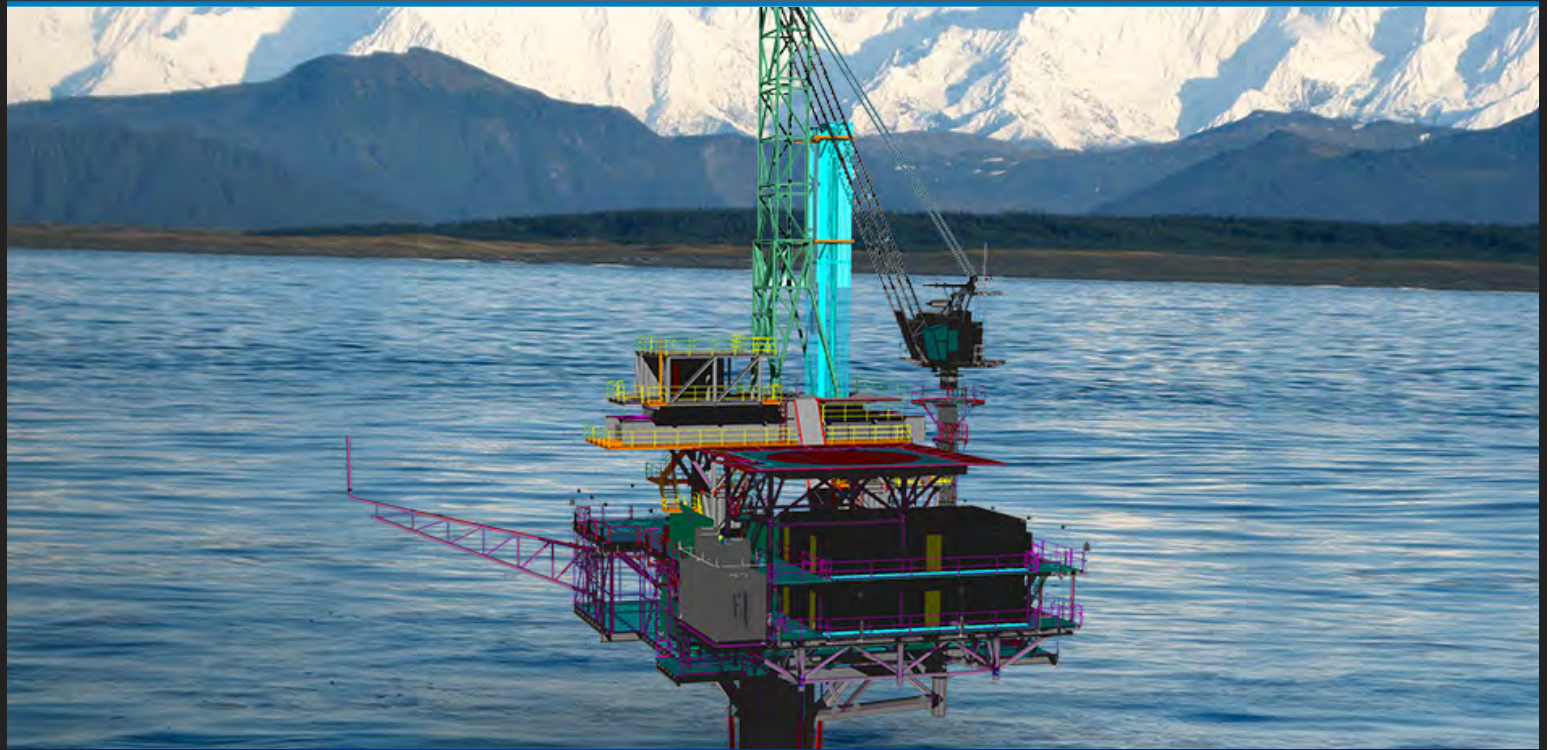
CONSTRUCTION MANAGER: Bobby Tedder



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

KITCHEN LIGHTS - MONOPOD



HISTORICAL DATA

COMPLETION/DELIVERY: 2012 - 2014

CLIENT: Furie Operating Alaska, LLC

FIELD LOCATION: Cook Inlet, Alaska

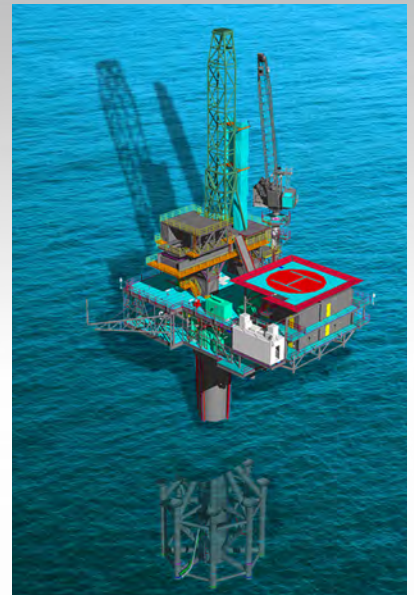
PROJECT DESCRIPTION:

- Well Test and Central Production Facility
- Offshore Platform with utilities to support Drilling and Well Testing
- Onshore Separation Facility designed for 100 MMSCF/D and 8000 BLP/D
- Final Separation, Compression, Produced Water Disposal, Dehydration and Sales Gas Metering Tie-in. Design includes future oil production and pipeline
- PLC Communication between Offshore Test Facility and Onshore Separation Plant.
- Production equipment enclosed in climate control buildings.

SCOPE OF WORK:

- AFE Estimate
- Equipment Arrangement
- Process Flow Diagrams
- Permit Documents
- Facility Bid Packages
- Interconnect Piping Design
- Electrical Design
- Instrument Control System / PLC
- Civil / Structural Design
- Work Over Drilling Rig

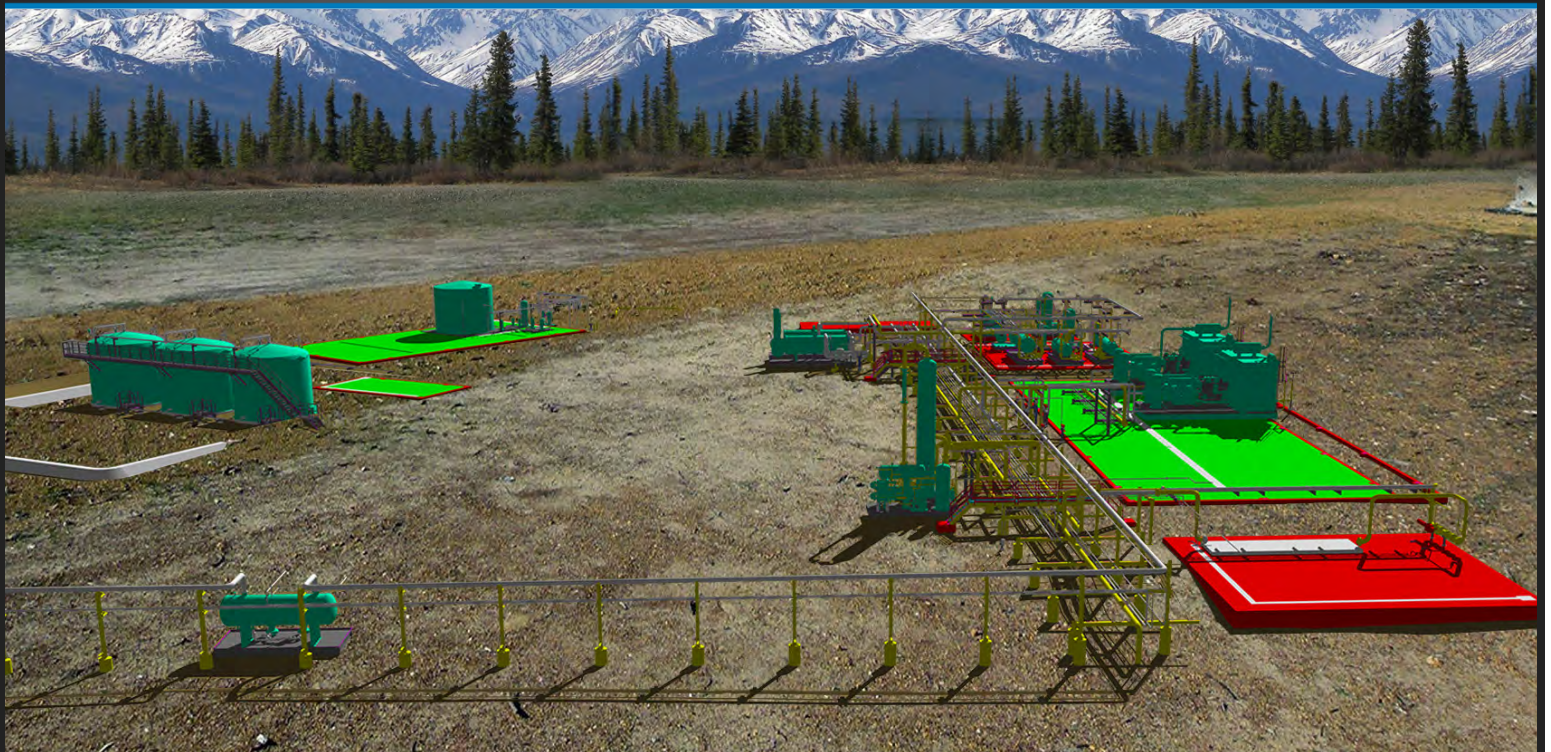
PROJECT MANAGER: John Weaver



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

KITCHEN LIGHTS - PRODUCTION FACILITY



HISTORICAL DATA

COMPLETION/DELIVERY: 2012 - 2014

CLIENT: Furie Operating Alaska, LLC

FIELD LOCATION: Cook Inlet, Alaska

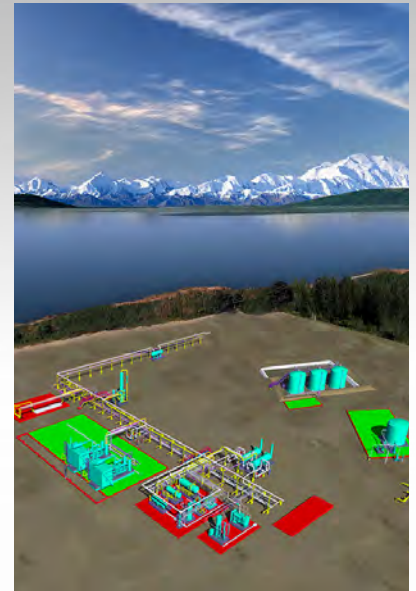
PROJECT DESCRIPTION:

- Central Production Facility
- 100 MMSCF/D, 8,000 BLP/D Separation Facility.
- Final Separation, Compression, Produced Water Disposal, Dehydration and Sales Gas Metering Tie-in to MOC Pipeline.
- Communication between Offshore Test Facility and Onshore Separation Plant.
- Production equipment enclosed in climate control buildings.
- Interface with Permit Agency.

SCOPE OF WORK:

- AFE Estimate
- Plot Plan
- Equipment Arrangement
- Process Flow Diagrams
- Process / Instrument Diagrams
- Permit Documents
- Construction Bid Packages
- Interconnect Piping Design
- Electrical Design
- Instrument Control System / PLC
- Civil / Structural Design
- Future Oil Production

PROJECT MANAGER: John Weaver



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions



HISTORICAL DATA

COMPLETION/DELIVERY: 2012 - In Progress

CLIENT: Shell Oil (71.5%) & Operator and BP (28.5%)

FIELD LOCATION: Mars B Field, Gulf of Mexico

PROJECT DESCRIPTION:

- 24-slot drilling unit and includes capacity for Six subsea wells to gather production from the nearby West Boreas and South Deimos fields
- It is a self-contained drilling rig with an oil-and-gas export system, including a WD-143C shallow-water platform.
- Water Depth - 3,000 feet in the Mississippi Canyon area about 1 mile from existing Mars platform, which started production in 1996.
- Field - Mars
- Design Production - 100 KBBL/D
- Production capacity of about 100,000 BOE/D

SCOPE OF WORK:

- Providing support to Shell for the engineering and design of the new build drill rig portion of the tension leg platform (TLP).

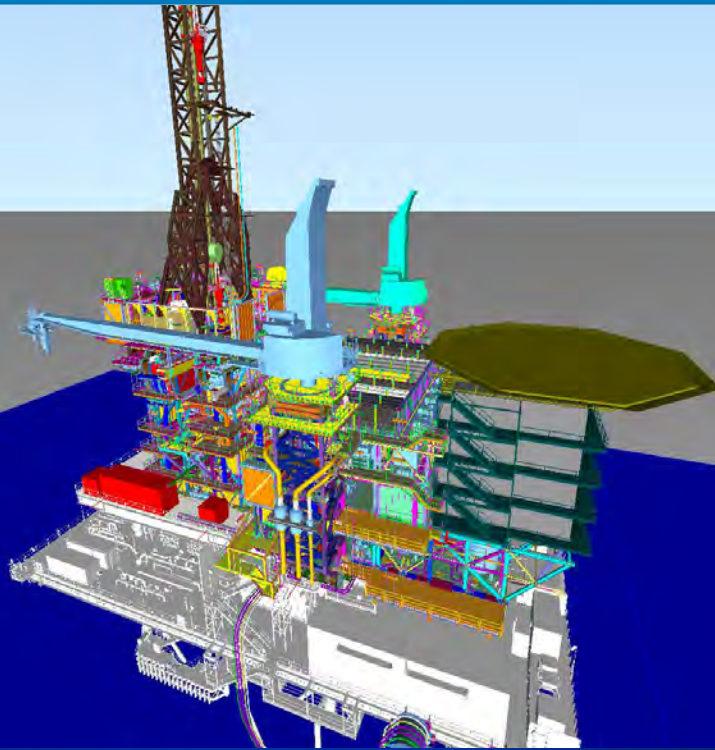
PROJECT MANAGER: John Weaver



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

3,000 HP DRILLING RIG (1 & 2)



HISTORICAL DATA

COMPLETION/DELIVERY: 2013 - 2014

CLIENT: Pemex

FIELD LOCATION: Ayatsil Field - MX Gulf of Mexico

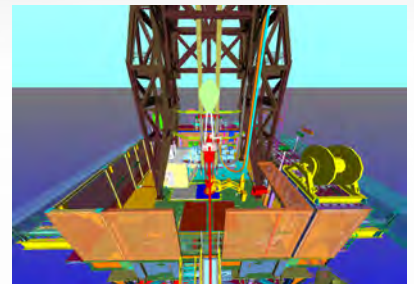
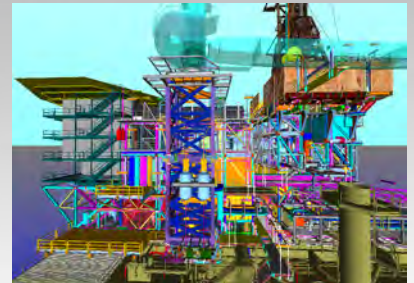
PROJECT DESCRIPTION:

- Design of two 3,000HP Modular API Offshore Drilling Rigs
- Project Management, Concept Design and Engineering and Design of new concept, low weight module drilling unit.

SCOPE OF WORK:

- Produce feasibility concept study for small modular Offshore Rigs
- Supply Engineering and Detailed Design
- Produce Construction drawings
- Write Equipment Specifications
- Review Equipment Scope of Supply
- Provide 3-D Structural design
- Provide Structural Load Analysis
- Provide Main Deck Analysis review
- Provide bill of materials
- Provide 3-D Piping design and interface
- Provide P&IDs for all systems
- Provide Electrical design and interface
- Provide 3-D electrical design
- Review interfaces with Quarters
- Review interfaces Main Platform
- Provide Offshore Field Engineering

PROJECT MANAGER: Gordon Gamble



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

LIBERTY SATELLITE DRILLING ISLAND



HISTORICAL DATA

COMPLETION/DELIVERY: 2011 - 2012

CLIENT: British Petroleum / WorleyParsons

FIELD LOCATION: North Slope, Beaufort Sea, Alaska

PROJECT DESCRIPTION:

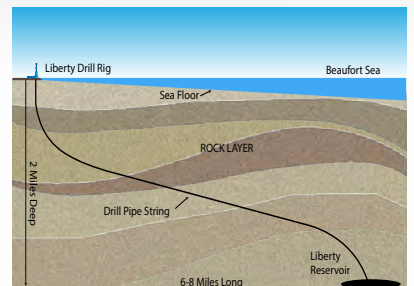
William Jacob Management was retained to assist BP/WorleyParsons with the overall review, revamp and start-up of the Liberty Rig located on the Endicott satellite drilling island, 15 miles east of Prudhoe Bay, near Alaska's Arctic coast. Our 25 person team spearheaded efforts to review the design and construction of the Liberty rig which was provided by Parker Drilling.

William Jacob Management followed up the initial review phase with detailed engineering and cost development that BP utilized to assess the viability of the project. Based on the engineering and cost analysis work by our team, it was determined that the rig did not meet BP's requirements. Furthermore, BP determined that the completion of the rig was not a viable option due to the costs associated with making the needed corrections.

SCOPE OF WORK:

- Technical Audit / Discovery Phase
- Detail Engineering / Work Packages
- Onsite Survey
- Cost Development and Analysis

PROJECT MANAGERS: Trevor Smith
Peter Van Dongen





HISTORICAL DATA

COMPLETION/DELIVERY: 2011 - 2012

CLIENT: Coastal Energy Corporation

FIELD LOCATION: Indonesia

PROJECT DESCRIPTION:

- Mobil Offshore Production Unit (MOPU) for Block G5/43 & G5/50
- Convert Submersible Atwood Richmond Drilling Rig to a 40,000 BOP/D Production Facility utilizing existing Mud System for produced water (disposal)/injection.

SCOPE OF WORK:

- Evaluate Submersible Drilling Rig for ABS' Current Status.
- Conduct tours for prospective buyers,
- Solicit Bid Packages,
- Arrange transport to Thailand.
- Identify existing utilities tie-ins for production support.
- Production Equipment AFE Cost Estimate (Compare USA cost vs. international cost).
- Detailed engineering and design for removal of all of the drilling related equipment and structure including derrick, substructure, P-tanks.
- Project management including budget control, planning, logistics and oversight of the construction yard during drilling equipment removal.
- Procurement support for the sale of scrap and the sale of removed equipment through a formal bidding process.

PROJECT MANAGER: Gordon Gamble





HISTORICAL DATA

COMPLETION/DELIVERY: 2010 - 2012

CLIENT: Exxon Neftegas Ltd

FIELD LOCATION: Sakhalin Island, Russia

PROJECT DESCRIPTION:

- Sakhalin-1 Arktun-Dagi Field Development
- Drilling Rig Re-Design and Certification Support

SCOPE OF WORK:

- Engineering and Detailed Design support and supervision
- Review Equipment Specifications.
- Material Handling Engineering and Design
- Drilling/Mechanical Engineering input and support
- Structural Load Analysis support
- 3-D Piping Design support
- 3-D HVAC Design support
- Construction Design/ Field support

PIPING COORDINATOR: Rod Snow

STRUCTURAL DRILLING COORDINATOR: Peter Van Dongen

PROJECT COORDINATOR: Robert Wheelless

ENGINEERING CONSULTANT: Trevor Smith



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

MODULAR LAND DRILLING RIG #5



HISTORICAL DATA

COMPLETION/DELIVERY: 2012

CLIENT: Sidewinder

FIELD LOCATION: East Texas

PROJECT DESCRIPTION:

- Design piping system for Modular Land Drilling Rig 5
- Project Management, Concept Design and Engineering & Design

SCOPE OF WORK:

Integrate Production Train into Jack-up Drilling Rig utilizing Existing Power Generation for ESP's and flow assurance for 21° API Oil. Addition of production facility/water treating.

Specific Scope of Work included:

- Supply Engineering and Detailed Design
- Produce Piping Material Take-off
- Produce Construction Isometrics
- Review Equipment Scope of Supply
- 3-D Structural modeling
- 3-D Equipment modeling.
- 3-D Piping design.
- P&IDs for LP system.
- Review interfaces Main Platform

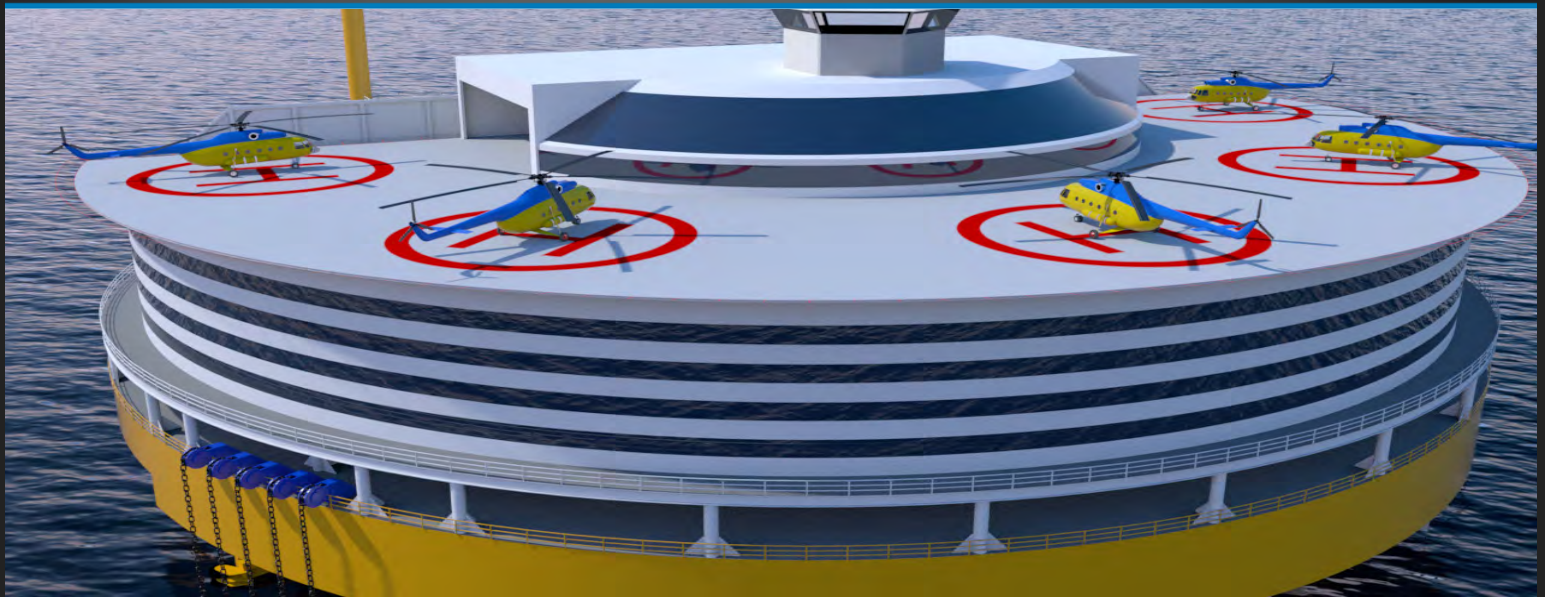
PROJECT MANAGER: David Cedillo



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

SSP Satellite Service Platform



HISTORICAL DATA

COMPLETION/DELIVERY: 2011 - 2012

CLIENT: (SSP) / Flotel

FIELD LOCATION: Undisclosed

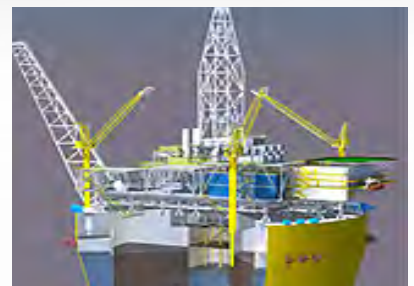
PROJECT DESCRIPTION:

- The Satellite Service Platform (SSP) study was done to determine the feasibility of a 3000 hp Drilling Rig Installation.

SCOPE OF WORK:

- A Weight Control Study and Equipment Arrangement for a Deep Water Tree Installation.

PROJECT MANAGER: Trevor Smith
Mike Duffy



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

SPARTAN RIG 151 - JACKUP



HISTORICAL DATA

COMPLETION/DELIVERY: 2011

CLIENT: Escopeta Oil Company / Furie Operating Alaska

FIELD LOCATION: Eastern Kitchen Lights Development - Cook Inlet, Alaska

PROJECT DESCRIPTION:

- Cook Inlet Basin - Gas Development
- Outside project management and engineering for winterizing the Spartan 151 Jack-up Drilling Rig for Cook Inlet, Alaska environment and modify the existing piping to accommodate operations.

SCOPE OF WORK:

- Electric trace affected piping, equipment.
- Add new 15,000# BOP and revise piping.
- Add new Choke and Kill lines.
- Provide QA/QC for 4130 Piping.
- Scheduled Stress Relieving.
- Scheduled hydrostatic testing.
- Modified High Pressure Mud Manifold.
- Add new Choke Manifold.
- Specified Fire/Gas Detectors (replaced).
- Added new Diverter Assembly.
- Added new Hoses for Drilling.
- Added new Shaker Cuttings Auger.
- Reviewed/approved subcontractors' invoices.

PROJECT MANAGER: John Weaver



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions



HISTORICAL DATA

COMPLETION/DELIVERY: 2011

CLIENT: Chevron / Nabors Drilling / 2H Offshore

FIELD LOCATION: US Gulf of Mexico

PROJECT DESCRIPTION:

- Technical Support for a Tension Leg Platform
- 3000 HP Drilling Rig

SCOPE OF WORK:

- Supported Nabors Drilling on a preliminary study of the Big Foot rig which included development of an equipment list, equipment weights, equipment costs and overall layouts on the TLP.
- Worked with 2H Offshore on the Riser Fairing Transport Cartridge Design of transportation modules. The modules are will be used to ship the riser fairings for the Chevron Bigfoot TLP.
- Shipped offshore GoM for final installation.

PROJECT MANAGER: Trevor Smith



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

40KGP/D BIO-PROCESSING FACILITIES



HISTORICAL DATA

COMPLETION/DELIVERY: 2011

CLIENT: Zera Energy

FIELD LOCATION: East Texas Locations

PROJECT DESCRIPTION:

- Turn Key estimate for EPCM of 40KGP/D Bio-Processing of Organic waste conversion to Fertilizer, Glycerin and Bio-Diesel Fuel

SCOPE OF WORK:

- Validate Mechanical Systems for Process Design
- Complete MTO from P&ID's supplied from Client
- Validate Equipment cost and availability
- Provide Cost for all Civil and Site work
- Provide Project Management Costs

PROJECT MANAGER: Dan Hines



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

BLAKE 5 - PLATFORM RIG



HISTORICAL DATA

COMPLETION/DELIVERY: 2011

CLIENT: Blake International

FIELD LOCATION: Dos Bocas, Vera Cruz, Mexico

PROJECT DESCRIPTION:

- Verification of structural and Equipment on 3000 Hp platform rig
- Located in Dos Bocas , Vera Cruz , Mexico .Equipment to be relocated onto an existing Cantrell D & P platform.

SCOPE OF WORK:

- Sketch each package after design verification
- As-built "Pony" structure
- As-built crane beams
- As-built Quarters

PROJECT MANAGER: David Cedillo
Jerry Mouton



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

PEREGRINO - DRILLING UNITS



HISTORICAL DATA

COMPLETION/DELIVERY: 2006 - 2010

CLIENT: Kerr McGee / Norsk Hydro / Anadarko / Statoil

FIELD LOCATION: Brazil / BMC-7

PROJECT DESCRIPTION:

- Refurbishment of two H&P (DR-1 / DR-2) drilling rigs and related equipment onto two wellhead platforms and merge with new equipment.
- Project management, engineering, construction management, onshore and offshore commissioning for drill rigs.

SCOPE OF WORK:

- Assist in procurement of two existing 3000 hp platform drill rigs.
- Evaluate existing rig and equipment.
- Make recommendations for refurbishment or replacement.
- Write specifications for new equipment.
- Provide Scope of Work for refurbishment.
- Evaluate technical bid(s) content and make recommendations.
- Provide 3-D piping design.
- Provide P&IDs for all systems.
- Provide PLC design and interface.
- Provide 3-D electrical design and interface.
- Provide equipment expediting / inspection.
- Milestone endorsement / progress payments.
- Construction Management.
- Onsite QA/QC during construction / installation.
- Provide onshore/offshore/commissioning team.
- Prepare Ibama regulatory documents.(HAZOP)

PROJECT MANAGER: Gordon Gamble



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions



HISTORICAL DATA

COMPLETION/DELIVERY: 2006 - 2009

CLIENT: Murphy West Africa Ltd.

FIELD LOCATION: Republic of Congo

PROJECT DESCRIPTION:

- 40,000 BOP/D and 18 MMSCF/D
- Storage Capacity 1.3MM Barrels of Oil
- Positioned in 5000 FT W.D.
- 3000 HP Drill Rig

SCOPE OF WORK:

- Provided all the interface management and engineering between the FPSO production facilities, sub-sea and drilling modules.
- Provided on-site construction management in Singapore.
- Provided on-site construction management in Batam, Malaysia.
- Engineer and design drilling modules for integration onto FPSO vessel deck.
- Engineer and design drilling substructure for integration over the vessel moon pool.
- Engineer and design of tensioner system.
- Liaise with drilling module transportation and installation companies (Batam-Singapore).
- Co-authored paper for presentation at the 2010 Offshore Technical Conference.
- DnV Interface.

PROJECT MANAGER: Trevor Smith



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

OYO FIELD DEVELOPMENT



HISTORICAL DATA

COMPLETION/DELIVERY: 2009

CLIENT: Allied Energy / Camac International / ENI

FIELD LOCATION: West Africa

PROJECT DESCRIPTION:

- 40,000 BOP/D & 60 MMSCF/D FPSO
- Water Injection & Gas Lift/Injection

SCOPE OF WORK:

Validated detail design.

Specific activities included:

- Surveyed and Inspected FPSO Candidate (Romania).
- Evaluated Technical Bid(s).
- Interface engineering between subsea company, flexible flowlines, ship's system and topsides design.
- HAZOP review in U.K. / Indonesia.
- Design review in Singapore and Italy.
- On site construction surveillance in Singapore
- ABS interface coordination in Kuala Lumpur.
- Review/approval of vendor drawings
- Review/approval of P&ID's.

PROJECT MANAGER: John Weaver
Fred Weikert
Peter Cutt



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

SUPERIOR ENDEAVOUR



HISTORICAL DATA

COMPLETION/DELIVERY: 2009

CLIENT: Schaeffer Diving Company

PROJECT DESCRIPTION:

- Retrofit and Conversion of a 30-Year in service ship to a “State of the Art” Diving Vessel.

SCOPE OF WORK:

- Two Decompression Chamber additions.
- New Power Generator addition.
- Utilities to support conversion.
- Firewater / Safety Systems upgrade.
- Vendor FAT and Ship’s System Interface.
- DNV submittal on client’s behalf.
- Cranes recertification.
- Modified Fuel System.

PROJECT MANAGER: Trevor Smith

CONSTRUCTION MANAGER: Gordon Gamble



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions

POLVO FIELD DEVELOPMENT



HISTORICAL DATA

COMPLETION/DELIVERY: 2004 - 2007

CLIENT: Devon Energy

FIELD LOCATION: Brazil / BMC-8

PROJECT DESCRIPTION:

- WJM was involved in the entire life cycle of the project from concept through commissioning; as well as, start up for the rig, platform and FPSO. Included refurbishment of an Ensco drilling rig and related equipment to be installed on a new wellhead platform and merge with new production equipment.

SCOPE OF WORK:

- Manage FEED and E & C of entire project.
- Purchase existing 3000 hp SPAR platform rig from Ensco.
- Evaluate existing rig and equipment and make recommendations for refurbishment or replacement.
- Write specifications for new equipment.
- Provide Scope of Work for refurbishment.
- Evaluate technical bid(s) content and make recommendations.
- Provide 3-D piping design, P&IDs for all systems, PLC design and interface, 3-D electrical design and interface and equipment expediting / inspection.
- Milestone endorsement / progress payments.
- Construction Management and planning.
- Onsite QA/QC during construction / installation.
- Provide onshore commissioning of Rig systems.
- Provide offshore hook-up and commissioning.
- Prepare Ibama regulatory documents.
- Manage all importation for entire development and all interface with Brazilian Navy and prepare, submit and defend all regulatory submittals.

PROJECT/CONSTRUCTION MGR: Mike Duffy/Trevor Smith



WILLIAM JACOB™
MANAGEMENT

Engineering & Project
Management Solutions